

Application No. 09/742,720
Amendment dated July 13, 2004
Reply to Office Action dated April 13, 2004
Express Mail EV406652125US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of interprocess communications between a client and a server, each client and server having one or more Interprocess Communications Facilities which are sockets, and wherein each Interprocess Communications Facility has connection oriented protocol (COP) associated therewith, comprising:

determining if said client is on the same system as said server;

~~connecting~~ establishing an Interprocess Communications Facility connection between said server and said client;

when said client is on the same system as said server, setting pointers to in said Interprocess Communications Facility connection for bypassing said connection oriented protocol; and

transferring data directly between said client and said server bypassing said connection oriented protocol.

2. (Currently Amended) The method of claim 1, further comprising the step of disconnecting said Interprocess Communications Facility connection between said client socket and server socket by setting pointers to null.

3. (Currently Amended) The method of claim 1, further comprising:

detecting errors in said data transferring step;

setting pointers to null; and

transferring data between said client and said server through a conventional connection oriented protocol connection.

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4. (Original) The method of claim 1, wherein said connection oriented protocol is Transmission Control Protocol/Internet Protocol (TCP/IP).

5. (Original) The method of claim 1, wherein said Interprocess Communications Facility is a Transport Layer Interface (TLI).

6. (Canceled)

7. (Currently Amended) The method of claim 1, further comprising:

determining if said server Interprocess Communications Facility and said client Interprocess Communications Facility within the same system are compatible; and

if said server Interprocess Communications Facility and said client Interprocess Communications Facility within the same facility are not compatible, transferring data between said client and said server via a conventional connection oriented protocol connection.

8. (Original) The method of claim 1, further comprising:

verifying that said client and said server are prepared to set said pointers directly between said client and said server Interprocess Communications Facilities prior to setting said pointers; and

when either said client or said server are not prepared to set said pointers directly between said client and said server Interprocess Communications Facilities, setting said pointers to null;

transferring data between said client and said server via a conventional connection oriented protocol connection.

9. (Currently Amended) A system of interprocess communications between a client and a server, comprising:

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a server having server data and a server Interprocess Communications Facility which is a socket, associated therewith, said server being configured for communicating with one or more clients having client data and a client Interprocess Communications Facility which is a socket, associated therewith;

said server Interprocess Communications Facility and said client Interprocess Communications Facility being configured for forming a connection between said server Interprocess Communications Facility and said client Interprocess Communications Facility for delivering said server data and receiving said client data;

said connection having connection oriented protocol operatively associated therewith;

said server being programmed for detecting if said client is local or remote;

said client being configured for detecting if said server is local or remote;

said server being further configured to setting pointers to said client Interprocess Communications Facility if said client is local; and

said pointers being configured to form a direct connection between said server Interprocess Communications Facility and said client Interprocess Communications Facility for data exchange between said client and said server in a manner for bypassing said connection oriented protocol.

10. (Original) The system of claim 9, said server and said client being further configured for setting said pointers to null.

11. (Currently Amended) The system of claim 9, wherein said server is further configured for detecting errors in data transfer; setting said pointers to null if errors are detected, and setting a conventional Interprocess Communications Facility connection using the connection oriented protocol.

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12. (Currently Amended) The system of claim 9, wherein said server is further configured to determine if said server and said client Interprocess Communications Facilities within the same system are compatible; and if said server and said client Interprocess Communications Facilities are not compatible, transferring data between said client and said server through a the conventional connection oriented protocol connection.

13. (Currently Amended) The system of claim 9, wherein said server is further configured for detecting errors in connection; setting pointers to null if error are detected; and transferring data between said client and said server through a the conventional connection oriented protocol connection.

14. (Original) The system of claim 9, wherein said Interprocess Communications Facility is a Transport Layer Interface (TLI).

15. (Original) The system of claim 9, wherein said server is further configured to verify that said client is prepared to transmit data via said pointers set directly between said client and said server Interprocess Communications Facilities.

16. (Original) The system of claim 15, wherein said client is further configured to verify that said server is prepared to transmit data via said pointers set directly between said client and said Interprocess Communications Facilities.